



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC- 5548

Lab ID : CP-2018-01-29-01

Date: 04-02-18

Sample ID No : 2018-01-29-01/01

WATER ABSORPTION:

Sl.No.	Dry Weight	Wet Weight	Water Absorption(%)	Acceptability as per IS 1077:1992, Clause 7.2
1	2.811	3.114	10.8	The water Absorption of bricks shall not be more than 20% by weight upto class 12.5 and 15% by weight for higher classes.
2	2.915	3.152	8.1	
3	2.880	3.189	10.7	
4	2.963	3.275	10.5	
5	2.945	3.258	10.6	
Average Water Absorption(%)			10.2	

EFFLORESCENCE:

Sl.No.	Length (mm)	Breadth (mm)	Area (mm ²)	Efflorescence	Acceptability as per IS 1077:1992, Clause 7.3
1	228.63	108.64	24838	Moderate	The efflorescence shall not be more than 'moderate' upto class 12.5 and 'slight' for higher classes.
2	228.41	108.21	24716	Slight	
3	227.98	108.72	24786	Slight	
4	228.69	108.42	24795	Slight	
5	229.45	107.86	24748	Slight	

DIMENSIONS AND TOLERANCES

Sl.No.	Dimensions obtained for 20 bricks(mm)		Acceptability as per IS 1077:1992, Clause 6.2(b)
1	Length	4670	4520 to 4680 mm
2	Width	2205	2160 to 2240 mm
3	Height	1385	1360 to 1440 mm

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST RESULTS OF STEEL

Lab ID : CP-2017-12-18-01 **Date:** 20-12-17
Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.
Address : Project Sub Division, BBMP, Bangalore.
Project Name : Package-3 A) Construction of Hospital building at ward No.11, Kuvempunagara.
: B) Construction of Hospital building at Ward No.07, Byatarayanapura. C)
Construction of HOSPITAL Building at Ward No.08, Kodigehalli.
Agency : Sri.K.Gopireddy, #3, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranna
Palya, Arabic Collager Post, Bangalore-560045
Customer's Reference : EE(Project)YnkZone/WO/75/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 18-12-17
Sample ID No : 2017-12-18-01 /04
Sample Type : Sunvik
Reference to BIS codes : IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test: : 19-12-17

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm ²)	(N/mm ²)	(%)		
1	Sunvik	Fe500	8	0.392	560	562	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.615	576	688	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.881	583	690	19.5%	Satisfactory	Satisfactory
3	Sunvik	Fe500	16	1.582	592	702	19.5%	Satisfactory	Satisfactory
3	Sunvik	Fe500	20	2.478	602	720	19.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	25	3.874	618	728	19.0%	Satisfactory	Satisfactory

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-01-05-01 Date: 09/01/2018

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Package-3 A) Construction of Hospital building at ward No.11, Kuvempunagara. B) Construction of Hospital building at Ward No.07, Byatarayanapura. C) Construction of HOSPITAL Building at Ward No.08, Kodigehalli.

Agency : Sri.K.Gopireddy, #3, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranna Palya, Arabic Collager Post, Bangalore-560045

Customer's Reference : EE(Project)YnkZone/WO/75/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-01-2018

Sample ID No : 2018-01-05-01 /01

Customer ID : Footing Concrete (Ward No.08, Kodigehalli)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 09/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	Footing Concrete (Ward No.08, Kodigehalli)	M25	02/01/2018	09/01/2018	149.68 X 150.44 X 150.34	22518	8.152	452.6	20.1	20.6
2	Footing Concrete (Ward No.08, Kodigehalli)	M25	02/01/2018	09/01/2018	150.47 X 150.34 X 150.55	22622	8.056	484.1	21.4	
3	Footing Concrete (Ward No.08, Kodigehalli)	M25	02/01/2018	09/01/2018	149.68 X 150.23 X 150.47	22486	8.195	456.5	20.3	

Note:

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Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-01-05-01 **Date:** 30/01/2018

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Package-3 A) Construction of Hospital building at ward No.11, Kuvempunagara. B) Construction of Hospital building at Ward No.07, Byatarayanapura. C) Construction of HOSPITAL Building at Ward No.08, Kodigehalli.

Agency : Sri.K.Gopireddy, #3, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranna Palya, Arabic Collager Post, Bangalore-560045

Customer's Reference : EE(Project)YnkZone/WO/75/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-01-2018

Sample ID No : 2018-01-05-01 /02

Customer ID : Footing Concrete (Ward No.08, Kodigehalli)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 30/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	Footing Concrete (Ward No.08, Kodigehalli)	M25	02/01/2018	30/01/2018	149.86 X 150.47 X 150.36	22549	8.025	626.9	27.8	27.9
2	Footing Concrete (Ward No.08, Kodigehalli)	M25	02/01/2018	30/01/2018	151.76 X 150.44 X 150.33	22831	8.241	655.2	28.7	
3	Footing Concrete (Ward No.08, Kodigehalli)	M25	02/01/2018	30/01/2018	151.05 X 150.69 X 150.48	22762	8.185	619.1	27.2	

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Certificate No.: TC- 5548

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-01-24-01 **Date:** 29/01/2018

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Package-3 A) Construction of Hospital building at ward No.11, Kuvempunagara. B) Construction of Hospital building at Ward No.07, Byatarayanapura. C) Construction of HOSPITAL Building at Ward No.08, Kodigehalli.

Agency : Sri.K.Gopireddy, #3, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranna Palya, Arabic Collager Post, Bangalore-560045

Customer's Reference : EE(Project)YnkZone/WO/75/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 24-01-2018

Sample ID No : 2018-01-24-01 /01

Customer ID : Plinth Concrete (Ward No.08, Kodigehalli)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 29/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	Plinth Concrete (Ward No.08, Kodigehalli)	M25	22/01/2018	29/01/2018	149.88 X 150.47 X 149.85	22552	8.250	453.3	20.1	20.7
2	Plinth Concrete (Ward No.08, Kodigehalli)	M25	22/01/2018	29/01/2018	150.44 X 150.54 X 149.52	22647	8.212	489.2	21.6	
3	Plinth Concrete (Ward No.08, Kodigehalli)	M25	22/01/2018	29/01/2018	150.44 X 150.24 X 150.11	22602	8.206	458.8	20.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-01-24-01 **Date:** 19/02/2018

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Package-3 A) Construction of Hospital building at ward No.11, Kuvempunagara. B) Construction of Hospital building at Ward No.07, Byatarayanapura. C) Construction of HOSPITAL Building at Ward No.08, Kodigehalli.

Agency : Sri.K.Gopireddy, #3, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranna Palya, Arabic Collager Post, Bangalore-560045

Customer's Reference : EE(Project)YnkZone/WO/75/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 24-01-2018

Sample ID No : 2018-01-24-01 /02

Customer ID : Plinth Concrete (Ward No.08, Kodigehalli)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete C1.5

Date of test : 19/02/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	Plinth Concrete (Ward No.08, Kodigehalli)	M25	22/01/2018	19/02/2018	149.63 X 149.77 X 151.23	22410	8.065	607.3	27.1	27.7
2	Plinth Concrete (Ward No.08, Kodigehalli)	M25	22/01/2018	19/02/2018	150.48 X 150.69 X 150.46	22676	8.189	648.5	28.6	
3	Plinth Concrete (Ward No.08, Kodigehalli)	M25	22/01/2018	19/02/2018	150.44 X 150.37 X 150.97	22622	8.168	619.8	27.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-02-06-01 **Date:** 09/01/2018

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Package-3 A) Construction of Hospital building at ward No.11, Kuvempunagara. B) Construction of Hospital building at Ward No.07, Byatarayanapura. C) Construction of HOSPITAL Building at Ward No.08, Kodigehalli.

Agency : Sri.K.Gopireddy, #3, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranna Palya, Arabic Collager Post, Bangalore-560045

Customer's Reference : EE(Project)YnkZone/WO/75/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 06-02-2018

Sample ID No : 2018-02-06-01 /01

Customer ID : Column Concrete (Ward No.08, Kodigehalli)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 09/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	Column Concrete (Ward No.08, Kodigehalli)	M25	02/01/2018	09/01/2018	150.33 X 150.47 X 150.49	22620	8.154	468.2	20.7	21.0
2	Column Concrete (Ward No.08, Kodigehalli)	M25	02/01/2018	09/01/2018	151.58 X 150.48 X 151.03	22810	8.136	465.3	20.4	
3	Column Concrete (Ward No.08, Kodigehalli)	M25	02/01/2018	09/01/2018	150.44 X 150.59 X 150.34	22655	8.145	496.1	21.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-02-06-01 **Date:** 30/01/2018

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Package-3 A) Construction of Hospital building at ward No.11, Kuvempunagara. B) Construction of Hospital building at Ward No.07, Byatarayanapura. C) Construction of HOSPITAL Building at Ward No.08, Kodigehalli.

Agency : Sri.K.Gopireddy, #3, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranna Palya, Arabic Collager Post, Bangalore-560045

Customer's Reference : EE(Project)YnkZone/WO/75/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 06-02-2018

Sample ID No : 2018-02-06-01 /02

Customer ID : Column Concrete (Ward No.08, Kodigehalli)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 30/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	Column Concrete (Ward No.08, Kodigehalli)	M25	02/01/2018	30/01/2018	149.66 X 150.48 X 150.33	22521	8.145	608.1	27.0	27.5
2	Column Concrete (Ward No.08, Kodigehalli)	M25	02/01/2018	30/01/2018	150.47 X 150.66 X 148.98	22670	8.198	637.0	28.1	
3	Column Concrete (Ward No.08, Kodigehalli)	M25	02/01/2018	30/01/2018	150.78 X 150.49 X 150.87	22691	8.203	621.7	27.4	

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Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-03-05-01 Date: 10/03/2018

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Package-3 A) Construction of Hospital building at ward No.11, Kuvempunagara. B) Construction of Hospital building at Ward No.07, Byatarayanapura. C) Construction of HOSPITAL Building at Ward No.08, Kodigehalli.

Agency : Sri.K.Gopireddy, #3, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranna Palya, Arabic Collager Post, Bangalore-560045

Customer's Reference : EE(Project)YnkZone/WO/75/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-03-2018

Sample ID No : 2018-03-05-01 /01

Customer ID : Ground Floor Concrete (Ward No.08, Kodigehalli)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	Ground Floor Concrete (Ward No.08, Kodigehalli)	M25	03/03/2018	10/03/2018	151.34 X 151.47 X 150.66	22923	8.204	490.6	21.4	21.7
2	Ground Floor Concrete (Ward No.08, Kodigehalli)	M25	03/03/2018	10/03/2018	150.86 X 150.47 X 150.67	22700	8.165	506.2	22.3	
3	Ground Floor Concrete (Ward No.08, Kodigehalli)	M25	03/03/2018	10/03/2018	149.66 X 150.80 X 150.79	22568	8.158	485.2	21.5	

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Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-03-05-01 **Date:** 31/03/2018

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Package-3 A) Construction of Hospital building at ward No.11, Kuvempunagara. B) Construction of Hospital building at Ward No.07, Byatarayanapura. C) Construction of HOSPITAL Building at Ward No.08, Kodigehalli.

Agency : Sri.K.Gopireddy, #3, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranna Palya, Arabic Collager Post, Bangalore-560045

Customer's Reference : EE(Project)YnkZone/WO/75/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-03-2018

Sample ID No : 2018-03-05-01 /02

Customer ID : Ground Floor Concrete (Ward No.08, Kodigehalli)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete C1.5

Date of test : 31/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	Ground Floor Concrete (Ward No.08, Kodigehalli)	M25	03/03/2018	31/03/2018	150.44 X 150.27 X 150.69	22607	8.149	646.5	28.6	27.7
2	Ground Floor Concrete (Ward No.08, Kodigehalli)	M25	03/03/2018	31/03/2018	150.44 X 149.68 X 150.46	22518	8.204	617.0	27.4	
3	Ground Floor Concrete (Ward No.08, Kodigehalli)	M25	03/03/2018	31/03/2018	151.88 X 150.49 X 151.75	22856	8.219	619.4	27.1	

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-04-26-01 Date: 27/04/2018

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Package-3 A) Construction of Hospital building at ward No.11, Kuvempunagara. B) Construction of Hospital building at Ward No.07, Byatarayanapura. C) Construction of HOSPITAL Building at Ward No.08, Kodigehalli.

Agency : Sri.K.Gopireddy, #3, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranna Palya, Arabic Collager Post, Bangalore-560045

Customer's Reference : EE(Project)YnkZone/WO/75/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 26-04-2018

Sample ID No : 2018-04-26-01 /01

Customer ID : 1st Floor Concrete (Ward No.08, Kodigehalli)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete C1.5

Date of test : 27/04/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	1st Floor Concrete (Ward No.08, Kodigehalli)	M25	20/04/2018	27/04/2018	149.68 X 150.24 X 150.49	22488	8.178	456.5	20.3	20.8
2	1st Floor Concrete (Ward No.08, Kodigehalli)	M25	20/04/2018	27/04/2018	150.37 X 150.66 X 151.24	22655	8.165	484.8	21.4	
3	1st Floor Concrete (Ward No.08, Kodigehalli)	M25	20/04/2018	27/04/2018	150.89 X 150.47 X 150.05	22704	8.198	470.0	20.7	

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Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-04-26-01 **Date:** 18/05/2018

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Package-3 A) Construction of Hospital building at ward No.11, Kuvempunagara. B) Construction of Hospital building at Ward No.07, Byatarayanapura. C) Construction of HOSPITAL Building at Ward No.08, Kodigehalli.

Agency : Sri.K.Gopireddy, #3, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranna Palya, Arabic Collager Post, Bangalore-560045

Customer's Reference : EE(Project)YnkZone/WO/75/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 26-04-2018

Sample ID No : 2018-04-26-01 /02

Customer ID : 1st Floor Concrete (Ward No.08, Kodigehalli)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 18/05/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	1st Floor Concrete (Ward No.08, Kodigehalli)	M25	20/04/2018	18/05/2018	150.42 X 150.54 X 150.45	22644	8.312	609.1	26.9	27.1
2	1st Floor Concrete (Ward No.08, Kodigehalli)	M25	20/04/2018	18/05/2018	150.42 X 150.54 X 150.45	22644	8.331	620.5	27.4	
3	1st Floor Concrete (Ward No.08, Kodigehalli)	M25	20/04/2018	18/05/2018	150.32 X 150.54 X 150.35	22629	8.345	613.3	27.1	

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Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-05-28-01 **Date:** 01/06/2018

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Package-3 A) Construction of Hospital building at ward No.11, Kuvempunagara. B) Construction of Hospital building at Ward No.07, Byatarayanapura. C) Construction of HOSPITAL Building at Ward No.08, Kodigehalli.

Agency : Sri.K.Gopireddy, #3, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranna Palya, Arabic Collager Post, Bangalore-560045

Customer's Reference : EE(Project)YnkZone/WO/75/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 28-05-2018

Sample ID No : 2018-05-28-01 /01

Customer ID : 2nd Floor Concrete (Ward No.08, Kodigehalli)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete C1.5

Date of test : 01/06/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	2nd Floor Concrete (Ward No.08, Kodigehalli)	M25	25/05/2018	01/06/2018	149.88 X 151.24 X 150.44	22668	8.142	476.0	21.0	21.2
2	2nd Floor Concrete (Ward No.08, Kodigehalli)	M25	25/05/2018	01/06/2018	149.87 X 150.59 X 149.87	22569	8.166	489.7	21.7	
3	2nd Floor Concrete (Ward No.08, Kodigehalli)	M25	25/05/2018	01/06/2018	150.34 X 150.22 X 150.45	22584	8.149	469.7	20.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-05-28-01 **Date:** 22/06/2018

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Package-3 A) Construction of Hospital building at ward No.11, Kuvempunagara. B) Construction of Hospital building at Ward No.07, Byatarayanapura. C) Construction of HOSPITAL Building at Ward No.08, Kodigehalli.

Agency : Sri.K.Gopireddy, #3, 1st Cross, 1st Main, Ramachandrapa Layout, Veeranna Palya, Arabic Collager Post, Bangalore-560045

Customer's Reference : EE(Project)YnkZone/WO/75/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 28-05-2018

Sample ID No : 2018-05-28-01 /02

Customer ID : 2nd Floor Concrete (Ward No.08, Kodigehalli)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/06/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	2nd Floor Concrete (Ward No.08, Kodigehalli)	M25	25/05/2018	22/06/2018	151.02 X 150.66 X 150.47	22753	8.154	646.2	28.4	27.8
2	2nd Floor Concrete (Ward No.08, Kodigehalli)	M25	25/05/2018	22/06/2018	150.66 X 150.42 X 150.44	22662	8.198	620.9	27.4	
3	2nd Floor Concrete (Ward No.08, Kodigehalli)	M25	25/05/2018	22/06/2018	150.47 X 150.23 X 150.47	22605	8.204	621.6	27.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-05-16-01 **Date:** 21/05/2018

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Package-3 A) Construction of Hospital building at ward No.11, Kuvempunagara. B) Construction of Hospital building at Ward No.07, Byatarayanapura. C) Construction of HOSPITAL Building at Ward No.08, Kodigehalli.

Agency : Sri.K.Gopireddy, #3, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranna Palya, Arabic Collager Post, Bangalore-560045

Customer's Reference : EE(Project)YnkZone/WO/75/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-05-2018

Sample ID No : 2018-05-16-01 /01

Customer ID : Flooring Concrete-Coping Concrete (Ward No.08, Kodigehalli)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 21/05/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	Flooring Concrete-Coping Concrete (Ward No.08, Kodigehalli)	M20	14/05/2018	21/05/2018	150.17 X 150.79 X 150.23	22644	8.194	398.5	17.6	17.9
2	Flooring Concrete-Coping Concrete (Ward No.08, Kodigehalli)	M20	14/05/2018	21/05/2018	150.43 X 150.77 X 150.43	22680	8.153	410.5	18.1	
3	Flooring Concrete-Coping Concrete (Ward No.08, Kodigehalli)	M20	14/05/2018	21/05/2018	150.46 X 150.05 X 150.72	22577	8.149	404.1	17.9	

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